Abstract

A data mo   ided

whereby individual   process are

defined as activit: ıch

activities are def   ə allocated

to no more than or   .tion

concerning the stɛ   :ivity, any

resource on which the activity ıs ᴐ_   eduled, and a

list of alternative resources, if any. Activities are

linked to each other via auxiliary objects, which contain

information concerning the minimum and maximum time between

activities. Orders may contain input and/or output

interface nodes, representing the materials consumed and

produced by the order. Each output interface node

representing a quantity of material created from one order

is linked via an auxiliary object to respective input

interface node or nodes from other orders that are scheduled

to receive that material. Order anchors are defined whereby

a planning algorithm can easily reference an order by its

order number in a database table. Planning object anchors

allow the planning algorithm to access all the orders for a

given material, and resource anchors permit access to all

activities scheduled for that resource.

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